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William Aislio, John Ioannidis, Patrick McDaniel

October 2003 **CCS '03: Proceedings of the 10th ACM conference on Computer and communications security**Publisher: ACM [Request Permissions](#)Full text available: [Pdf](#) (268.26
KB)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 44, Downloads (Overall): 978, Citation Count: 16Attacks against Internet routing are increasing in number and severity. Contributing greatly to these attacks is the absence of *origin authentication*: there is no way to validate claims of address ownership or location. The lack of such services ...**Keywords:** BGP, address management, delegation, routing, security2 [Scalable high-speed prefix matching](#)

Marcel Waldvogel, George Varghese, Jon Turner, Bernhard Plattner

November 2001 **Transactions on Computer Systems (TOCS)**, Volume 19 Issue 4Publisher: ACM [Request Permissions](#)Full text available: [Pdf](#) (933.02
KB)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 70, Downloads (Overall): 1055, Citation Count: 10

Finding the longest matching prefix from a database of keywords is an old problem with a number of applications, ranging from dictionary searches to advanced memory management to computational geometry. But perhaps today's most frequent best matching ...

Keywords: collision resolution, forwarding lookups, high-speed networking


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3 Toward understanding distributed blackhole placement

 Evan Cooke, Michael Bailey, Z. Morley Mac, David Watson, Farnam Jahanian, Danny McPherson

October 2004 **WORM '04**: Proceedings of the 2004 ACM workshop on Rapid malware

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (478.95 KB)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 27, Downloads (Overall): 211, Citation Count: 18

The monitoring of unused Internet address space has been shown to be an effective method for characterizing Internet threats including Internet worms and DDOS attacks. Because there are no legitimate hosts in an unused address block, traffic must be ...

Keywords: blackhole monitoring, blackhole placement, computer worms, globally scoped threats, internet motion sensor, network security

4 Traceroute probe method and forward IP path inference

 Matthew Luckie, Young Hyun, Bradley Huffaker

October 2008 **IMC '08**: Proceedings of the 8th ACM SIGCOMM conference on Internet measurement

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (310.52 KB)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 199, Downloads (Overall): 641, Citation Count: 5

Several traceroute probe methods exist, each designed to perform better in a scenario where another fails. This paper examines the effects that the choice of probe method has on the inferred forward IP path by comparing the paths inferred with UDP, ICMP, ...


Keywords: macroscopic internet topology discovery, traceroute

5 On the marginal utility of network topology measurements

 Paul Barford, Azer Bestavros, John Byers, Mark Crovelia

November 2001 **IMW '01**: Proceedings of the 1st ACM SIGCOMM Workshop on Internet Measurement

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (2.40 MB)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 55, Downloads (Overall): 648, Citation Count: 32

The cost and complexity of deploying measurement infrastructure in the Internet for the purpose of analyzing its structure and behavior is considerable. Basic questions about the *utility* of increasing the number of measurements and measurement ...

Keywords: internet tomography, network measurement, topology discovery, traceroute

6 [Soying the world from your laptop: identifying and profiling content providers and big downloaders in BitTorrent](#)

[Stevens Le Blond](#), [Arnaud Legout](#), [Fabrice Letessant](#), [Walid Dabbous](#), [Mohamed Ali Kaafar](#)

April **LEET'10**: Proceedings of the 3rd USENIX conference on Large-scale exploits and emergent threats: botnets, spyware, worms, and more 2010

Publisher: USENIX Association

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

This paper presents a set of exploits an adversary can use to continuously spy on most BitTorrent users of the Internet from a single machine and for a long period of time. Using these exploits for a period of 103 days, we collected 148 million IPs downloading ...

7 [Counting 6to4 relay routers](#)



[David Malone](#)

January 2006

SIGCOMM Computer Communication Review, Volume 36 Issue 1

Publisher: ACM

Full text available: Pdf (103.12 KB)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 19, Downloads (Overall): 304, Citation Count: 0

6to4 is a mechanism of providing IPv6 addresses and connectivity where native IPv6 is not available. In 6to4, the links between the IPv4 and IPv6 Internets are called *relay routers*. These may be advertised publicly or privately. The number of 6to4 ...

8 [Identity trail: covert surveillance using DNS](#)

[Saikat Guha](#), [Paul Francis](#)

June 2007 **PET'07**: Proceedings of the 7th international conference on Privacy enhancing technologies

Publisher: Springer-Verlag

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

The Domain Name System (DNS) is the only globally deployed Internet service that provides user-friendly naming for Internet hosts. It was originally designed to return the same answer to any given query regardless of who may have issued the query, and ...

9 [Analyzing large DDoS attacks using multiple data sources](#)



[Z. Morley Mao](#), [Vyas Sekar](#), [Oliver Spatscheck](#), [Jacobus van der Merwe](#), [Rangarajan Vasudevan](#)

September 2006 **LSAD '06**: Proceedings of the 2006 SIGCOMM workshop on Large-scale attack defense

Publisher: ACM [Request Permissions](#)


Full text available: Pdf (249.82 KB)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 83, Downloads (Overall): 709, Citation Count: 7

We present a measurement study analyzing DDoS attacks from multiple data sources, relying on both direct measurements of flow-level information, and more traditional *indirect* measurements using backscatter analysis. Understanding the nature of ...

Keywords: DDoS attacks, IP spoofing, attack characterization, distributed denial of service attacks

10 [Monitoring and early warning for internet worms](#)

 [Cliff Changchun Zou](#), [Lixin Gao](#), [Weibo Gong](#), [Don Towsley](#)

October 2003 **CCS '03**: Proceedings of the 10th ACM conference on Computer and communications security

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (227.83 KB)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 181, Downloads (Overall): 2375, Citation Count: 67

After the Code Red incident in 2001 and the SQL Slammer in January 2003, it is clear that a simple self-propagating worm can quickly spread across the Internet, infects most vulnerable computers before people can take effective countermeasures. The fast ...

Keywords: early detection, monitoring, worm propagation

11 [implementation of a parallel-search trie-based scheme for fast IP lookup](#)

[Roberto Rojas-Cessa](#), [Laksmi Hamesh](#), [Ziqian Dong](#), [Brian D'Alessandro](#), [Nirwan Ansari](#)

October 2007 **CSNA '07**: Proceedings of the IASTED International Conference on Communication Systems, Networks, and Applications

Publisher: ACTA Press

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

The Internet Protocol (IP) address lookup is required to be resolved fast to keep up with data rate increases. To cope with the increasing number of entries, solutions for IP lookup based on random access memory (RAM), which store prefixes in a trie-based ...

Keywords: RAM based, hashing, parallel search, prefix expansion, trie search

12 [An approach for spherical harmonic analysis of non-smooth data](#)

[Hansheng Wang](#), [Patrick Wu](#), [Zhiyong Wang](#)

December 2006 **Computers & Geosciences**, Volume 32 Issue 10

Publisher: Pergamon Press, Inc.

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

A method is proposed to evaluate the spherical harmonic coefficients of a global or regional, non-smooth, observable dataset sampled on an equiangular grid. The method is based on an integration strategy using new recursion relations. Because a bilinear ...

Keywords: Non-smooth data, Programming, Recursion relations, Spherical harmonic analysis

13 [Windows XP: The Complete Reference](#)

[John R. Levine](#), [Rima Regas](#), [Alison Barrows](#)

September 2001 Windows XP: The Complete Reference

Publisher: McGraw-Hill Professional

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

From the Book:

Introduction

For years, Microsoft has had two series of Windows versions: the Windows Me/9x series (which includes 95, 98, 98 Second Edition, and Millennium Edition, or Me) for individual users and the NT series (Windows NT and ...

14 A Practical Guide to Red Hat Linux with Cdrom

Mark G. Sobell

October 2002

A Practical Guide to Red Hat Linux with Cdrom

Publisher: Addison-Wesley Longman Publishing Co., Inc.

Full text available: [Saturn Online](#)
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Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

From the Book: This is a straightforward, easy-to-read, logically organized book about GNU/Linux¹ by an author who has been writing successful books on UNIX/Linux operating systems for over 20 years. It is for people with some computer experience ...

15 Management Information Systems, 2nd edition

Raymond McLeod

September 1983

Management Information Systems, 2nd edition

Publisher: Science Research Associates

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 4

From the Book:

Preface

A textbook consists of two key ingredients—the selection of topics and their organization. These ingredients have always received top priority in *Management Information Systems*; but because of the dynamic ...

16 Management Information Systems

Raymond McLeod

January 1979

Management Information Systems

Publisher: Science Research Associates

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January 1979

Management Information Systems

Publisher: Science Research Associates

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Publisher: Science Research Associates

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19 [Management Information Systems, 9 edition](#)

[Raymond McLeod, George Schell](#)

August 2003

Management Information Systems, 9 edition

Publisher: Prentice-Hall, Inc.

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

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Management Information Systems

Publisher: Science Research Associates

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